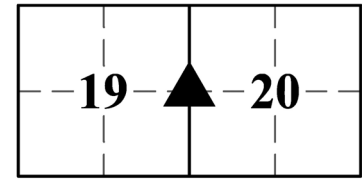


MONUMENT RECORD

Corner ID: InCr_E15

Quarter Corner

Sections 19 & 20 – T07N – R02W, 2nd P.M.
Indian Creek Township, Monroe County, Indiana

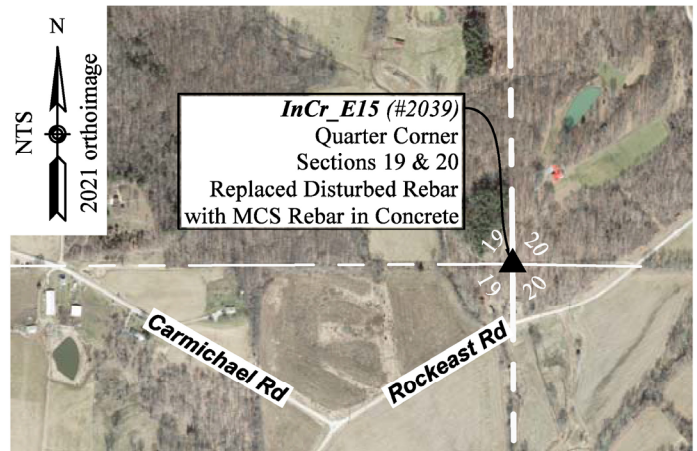
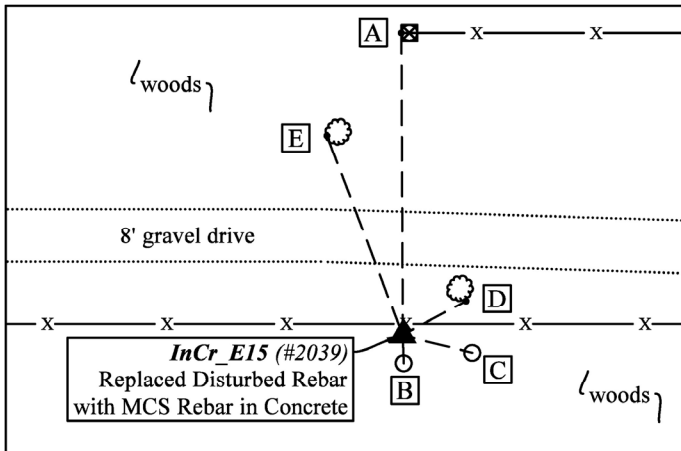


MONUMENT: Describe monument set or found (Include material type, scribing, distance above/below grade, dimensions.)

5/8" x 12" long rebar with 2" aluminum cap stamped "OSER 21100022 MONROE COUNTY SURVEYOR" set flush in 10" diameter concrete base 2" above grade.

GEODETIC COORDINATES: Northing: 1377310.02, Easting: 3071372.49

MONUMENT LOCATION SKETCH: Attach a sketch and aerial image



WITNESS MONUMENT TIES: Describe at least three witness objects established or work done to preserve existing evidence.

ID	Bearing	Distance	Description
A	N 0° W	45.7'	2" mag nail and 1-1/2" orange plastic disc set 4" above grade on the west side of a 12" diameter split wood post with fence to the east
B	S 1°49'30" E	4.26'	1/4" rebar of unknown origin found 5" above grade
C	S 75°34'53" E	10.80'	1-1/2" mag nail in a yellow 5/8" x 16" polycarbonate "Rebarlite" with a yellow plastic cap stamped "MONROE COUNTY WITNESS POINT" set flush
D	N 61° E	10.86'	mag nail and 1-1/2" orange plastic disc found 7" above grade on the southeast side of a 3-1/2" hackberry
E	N 21° W	32.3'	mag nail and 1-1/2" orange plastic disc found 6" above grade on the west side of a 3-1/2" maple

Notes: Witness ties A, B, and C were located with RTK. Bearings and distances are to witness ties D and E were measured with a total station and are to the mag nail, not to the center of the tree.

MONUMENT PRESERVATION: Describe work done to preserve existing monument. Stone mounds should be placed around monuments when stones are readily available. Paint corner stones but not the scribing. A Monroe County "PROTECT NEARBY SURVEY MARKER" sign shall be attached to a steel post when practicable. Note location and relation of corner to sign.

A 5/8" x 24" rebar with a yellow plastic Bynum Fanyo cap was found loosely held up with rocks with 5" of the rebar below grade. We removed the rebar and located the hole. We then attempted to remove the rocks underneath, but we hit bedrock after removing the first 2 layers of rocks. We reset a shorter rebar in a stable concrete base and set a 5-foot steel t-post 0.9 feet south. A Monroe County SURVEY MARKER sign was attached to the t-post 4 feet above grade.

OTHER EVIDENCE: Describe corner location relative to nearby features and how to reach the corner location – note fences, roads, timber cutting lines, mow lines, clearings, plantings, streams, topo changes, etc.

The rebar is approximately 100 feet northeast of the entrance to Weaver Cave. It is 1.7 feet south of an east/west wire fence on the north side of an old east/west roadbed and on the south side of an east/west 8-foot-wide gravel drive.

PERPETUATION RECORD

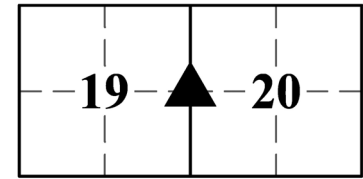
EXISTING SURVEY HISTORY: Include as much detail and history of the corner as known at the time of perpetuation.

MONUMENT RECORD

Corner ID: InCr_E15

Quarter Corner

Sections 19 & 20 – T07N – R02W, 2nd P.M.
Indian Creek Township, Monroe County, Indiana



ORIGINAL GOVERNMENT SURVEY:

Year Surveyed: 1815 By: Arthur Henrie

Where filed or recorded: F_EV02P288

Original monument: wooden post

Bearing Trees or Reference Monuments:

Species	Dia.	Bearing	Distance
White oak	25"	N 15° E	12 links
Beech	6"	S 81° E	18 links

No original reference monuments were recovered.

SUBSEQUENT LEGAL SURVEY:

Date Surveyed: 11/21/1881 By: Buskirk, M.

Where filed or recorded: MCSO LSB2, pg 349

Original monument: Not described.

Bearing Trees or Reference Monuments:

Species	Dia.	Bearing	Distance
White oak	40"	S 73.5° W	118.5 links (78.2')
Sugar	18"	S 56.5° W	109.5 links (72.3')

No legal survey reference monuments were recovered.

OTHER SURVEY HISTORY: Include details such as surveyor name, date, recording info, monument description, etc.

Date	Surveyor	Description	File Location
04/12/1854	Spencer, James	Legal Survey in Section 20 (<i>not described or witnessed</i>)	MCSO LSB1, pg 268
03/31/2011	Badger, Matthew	Conservation Easement in Sections 20 and 21 (<i>calculated position at the midpoint between the stone at E13 and the stone (not accepted this survey) at E17</i>)	MCR 2011004420
07/18/2017	Deckard, Eric	Fender Minor Subd. Final plat (<i>calculated position at intersection of north, east, and west fence</i>)	MCR 2017010189
11/10/2018	Graham, Charles	Moore's Buena Vista Farm I Minor Subd. (<i>BFA rebar</i>)	MCR 2019013999
11/12/2018	Graham, Charles	Moore's Buena Vista Farms Retracement survey (<i>origin of Bynum Fanyo rebar</i>)	MCR 2018015296
09/28/2021	Deckard, Eric	Brian Moore Sliding Scale Subdivision II - Final Plat in Sections 19 and 20 (<i>accepted BFA rebar</i>)	MCR 2022001227

PREVIOUS CERTIFICATION:

Is this this monument perpetuated by the Monroe County Surveyor's Office? If not, what is the cause of discrepancy?

No. There is not a prior Monument Record on file for this corner.

THEORY OF LOCATION: Describe the theory of location for acceptance of this monument.

The original government surveyor set a wooden post at this corner in 1815 and in 1881, Monroe County Surveyor M. Buskirk reestablished the corner. We found no trace of the historical monuments or their accessories. This corner first appeared in the modern survey record in 2011, when Matthew Badger calculated its position at the midpoint between the stone at the northeast corner of Section 19 (E13) and the rock (not accepted this survey) at the southeast corner of Section 19 (E17). The location calculated by Mr. Badger was located 21 feet west of the found rebar. In 2017, Eric Deckard accepted a north/east/west fence intersection located 7.3 feet east of the found rebar. In 2018, Charles Graham set the Bynum Fanyo rebar. The east/west position of the rebar was based on two wooden fence posts to the north that were accepted as being on the west line of the Southwest quarter of the Northwest quarter of Section 20 by Ben Bledsoe in 2003 (Instrument Number 2003017166). The methodology employed by Mr. Graham to establish the north/south location of the corner is unknown. In 2021, Eric Deckard accepted the Bynum Fanyo rebar. We found the rebar loosely held in place by several rocks with only 5" below grade. Due to the unstable nature of the rebar, we tied into several monuments from Mr. Deckard's 2021 survey and reset a stable monument in the location accepted by Deckard.

UNCERTAINTIES IN THE CORNER LOCATION DUE TO:

- Variances in the Monumentation: 4.26 feet.
- Discrepancies in the Documents: 21 feet.
- Inconsistencies in the lines of Occupation: 10 feet.
- Theoretical Uncertainty (Random Errors in Measurement): The Relative Positional Accuracy of this survey is within the specifications for an Indiana Rural Survey (0.26 feet plus 200 ppm) as defined in IAC 865.

MONUMENT RECORD

Corner ID: InCr_E15

Quarter Corner

Sections 19 & 20 – T07N – R02W, 2nd P.M.
Indian Creek Township, Monroe County, Indiana

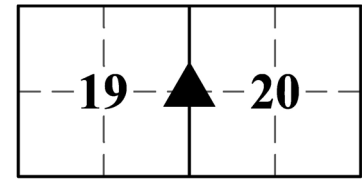


PHOTO IDENTIFIED: Photograph close up photo of monument and a vicinity photo of the monument that includes the Monroe County “PROTECT NEARBY SURVEY MARKER” sign. Provide photo orientation and date.

Photo Date: 04/24/2023



Photo Orientation & Description: Capped rebar in concrete



Photo Orientation & Description: Looking west at E15

FIELD PERSONNEL:

Field Date: 04/22/2023 and 04/24/2023 By: Rachel Oser and Phillip Oser Project #: OSM #10246 Field Book: OSM 7/24

BASIS OF GEODETIC COORDINATES: Describe equipment used to collect coordinates, datum, epoch, geoid and zone. The basis of bearings is Grid North System NAD83(2011)/Indiana West NAVD 88, Epoch 2010.0000, geoid18b_conus.db3, US Survey Feet. This project was referenced to the National Spatial Reference System CORS network using the JAVAD GNSS Data Online Processing Service (DPOS) to post-process static observations collected with a Javad Triumph 3 base. Reported coordinates were determined either from static, RTPK, or RTK GNSS observations (Javad Triumph LS Rover) or radially with a conventional total station (Nikon Nivo) from points established by GNSS observations. Distances obtained with GPS have not been adjusted to ground.

CERTIFICATION:

Professional Surveyor Name: Rachel Oser
Indiana Professional Surveyor No.: 21100022
Firm Name: Oser Surveying & Mapping LLC
Date: August 19, 2023
Signature:

Rachel Oser



Seal:

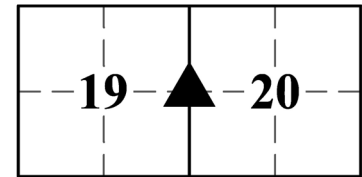
This document is not complete without the associated plat and report of even date.

MONUMENT RECORD

Corner ID: InCr_E15

Quarter Corner

Sections 19 & 20 – T07N – R02W, 2nd P.M.
Indian Creek Township, Monroe County, Indiana



OFFICE USE ONLY

NOTICE TO PROCEED AND MONUMENT RECORD FORM ISSUED TO:

Offeror Name: Rachel Oser	Firm Name: Oser Surveying & Mapping LLC	
Phone: 812-320-2694	Email: Rachel@OserSurveying.com	
Corner Classification: Unknown	Corner Coordinate Status: GIS	
Issue Date: 3/13/2023	Form Due Date: 11/15/2023	Form Receipt Date: 8/22/2023

COUNTY SURVEYOR APPROVAL:

☒ Yes,
Signature:

A handwritten signature in black ink, appearing to read 'T. Oser'.

Date: 9/11/2023

☐ No,
reasons for
denial



Seal:

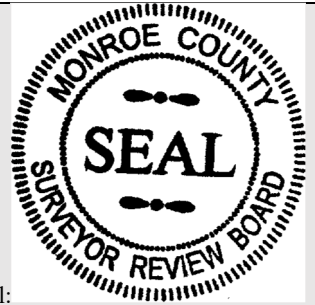
SURVEYOR REVIEW BOARD APPROVAL:

☒ Yes,
Signature:

A handwritten signature in black ink, appearing to read 'Donna Babish'.

Date: 9/11/2023

☐ No,
reasons for
denial



Seal: